

WHAT IS CLAIMED IS:

1. A communication system comprising:

a plurality of first terminals connected to a
first transmission path for transmitting first
5 information;

a plurality of second terminals connected to a
second transmission path for transmitting second
information different from the first information; and

a server connected to said first and second
10 transmission paths,

wherein the second information is transmitted
from said server to one of said plurality of second
terminals, and the first information is transmitted
from one of said plurality of first terminals to said
15 server to control transmission of the second
information from said server.

2. The system according to claim 1, wherein the
second information contains video information.

3. The system according to claim 1, wherein said
20 plurality of second terminals have a function of
outputting the second information.

4. The system according to claim 1, wherein said
server comprises transmission means for transmitting
the second information onto said second transmission
25 path and does not comprise any reception means for
receiving the second information from said second
transmission path, each of said plurality of second

terminals comprises reception means for receiving the second information from said second transmission path and does not comprise any transmission means for transmitting the second information onto said second
5 transmission path.

5. The system according to claim 1, wherein the first information contains specifying information for specifying one of said plurality of second terminals.

6. The system according to claim 1, further
10 comprising a third transmission path for transmitting third information between said plurality of first terminals and said plurality of second terminals.

7. The system according to claim 6, wherein the third information is setup information, which is
15 transmitted from the first terminal to the second terminal before the first information is transmitted, so as to initialize the second terminal.

8. The system according to claim 6, wherein the third information is information, which is transmitted
20 from the second terminal to the first terminal and indicates an initialization result of the second terminal.

9. The system according to claim 6, wherein the third information is notifying information, which is
25 transmitted from the second terminal to the first terminal and notifies start of output of the second information in the second terminal.

10. The system according to claim 1, wherein the first information contains first designation information for designating one of a plurality of pieces of information held in said server, and second designation information for designating one of said plurality of second terminals, and

the second information is information which is read out from said server on the basis of the first designation information, and is transmitted from said server to the second terminal designated by the second designation information.

11. An information transmission method applied to a communication system which comprises a plurality of first terminals connected to a first transmission path for transmitting first information, a plurality of second terminals connected to a second transmission path for transmitting second information different from the first information, and a server connected to said first and second transmission paths, comprising:

the first transmission step of transmitting the first information from one of said plurality of first terminals to said server; and

the second transmission step of transmitting the second information from said server to one of said plurality of second terminals on the basis of the first information transmitted in the first transmission step.

12. The method according to claim 11, wherein the second information contains video information.

13. The method according to claim 11, wherein said plurality of second terminals have a function of
5 outputting the second information.

14. The method according to claim 11, wherein the first information contains specifying information for specifying one of said plurality of second terminals.

15. The method according to claim 11, wherein said
10 communication system further comprises a third transmission path between the first and second terminals, and

said method further comprises the initialization step of initializing the second terminal by
15 transmitting third information from the first terminal to the second terminal via said third transmission path before the first information is transmitted.

16. The method according to claim 15, further comprising the result transmission step of transmitting
20 information indicating an initialization result of the second terminal from the second terminal which received the third information to the first terminal which transmitted the third information via said third transmission path.

25 17. The method according to claim 11, wherein said communication system further comprises a third

transmission path between the first and second terminals, and

said method further comprises the notifying information transmission step of transmitting notifying
5 information, which notifies start of output of the second information in the second terminal, from the second terminal to the first terminal via said third transmission path.

18. The method according to claim 11, wherein the
10 first information contains first designation information for designating one of a plurality of pieces of information held in said server, and second designation information for designating one of said plurality of second terminals, and

15 the second information is information which is read out from said server on the basis of the first designation information, and is transmitted from said server to the second terminal designated by the second designation information.

20 19. A computer readable storage medium, which stores as a program an information transmission method applied to a communication system which comprises a plurality of first terminals connected to a first transmission path for transmitting first information, a plurality of
25 second terminals connected to a second transmission path for transmitting second information different from

the first information, and a server connected to said first and second transmission paths,

said information transmission method comprising:

the first transmission step of transmitting the
5 first information from one of said plurality of first terminals to said server; and

the second transmission step of transmitting the second information from said server to one of said plurality of second terminals on the basis of the first
10 information transmitted in the first transmission step.

20. A video server which is connected to a plurality of first terminals via a first transmission path, and to a plurality of second terminals via a second transmission path, comprising:

15 display request reception means for receiving a video information display request which is transmitted from one of said plurality of first terminals, and consists of video designation information for designating video information to be displayed, and
20 display device designation information for designating the second terminal which is to display the video information;

confirmation information transmission means for transmitting first confirmation information, which is
25 generated based on the video information display request, to the second terminal designated by the

display device designation information of the video
information display request;

request confirmation information reception means
for receiving request confirmation information which is
5 transmitted from one of said plurality of first
terminals, and consists of second confirmation
information;

first comparison means for comparing
identification information of the first terminal which
10 transmitted the request confirmation information, and
identification information of the first terminal which
transmitted the video information display request;

second comparison means for comparing the second
confirmation information contained in the request
15 confirmation information received by said request
confirmation information reception means, and the first
confirmation information transmitted by said
confirmation information transmission means; and

video information transmission means for
20 transmitting video information designated by the video
designation information of the video information
display request to the second terminal designated by
the display device designation information in
accordance with comparison results of said first and
25 second comparison means.

21. The server according to claim 20, wherein the
request confirmation information is generated on the

basis of second confirmation information which is the same as the first confirmation information and is input to the first terminal by a user of the first terminal, who can recognize the first confirmation information as
5 a result of transmitting the first confirmation information to the second terminal designated by the display device designation information of the video information display request.

22. The server according to claim 20, wherein the
10 first confirmation information is generated on the basis of a position where the second terminal designated by the display device designation information is located.

23. The server according to claim 20, wherein the
15 first confirmation information is a reception identification code assigned to video information designated by the video designation information.

24. The server according to claim 23, wherein the reception identification code has a format of a video
20 signal, and

a communication path via which said confirmation information transmission means transmits the reception identification code to the second terminal is the same as a communication path via which said video
25 information transmission means transmits the video information to the second terminal.

25. The server according to claim 20, wherein the first confirmation information is a random number generated upon receiving the video information display request.

5 26. A terminal connected to a video server which transmits, upon receiving a video information display request containing video designation information for designating video information to be displayed, and display device designation information for designating
10 a display device which is to display the video information, first confirmation information generated based on the video information display request to the display device designated by the display device designation information of the video information
15 display request before the video information designated by the video designation information of the video information display request is transmitted to the display device designated by the display device designation information, comprising:

20 generation means for, when a user, who can recognize the first confirmation information as a result of transmitting the first confirmation information to the display device designated by the display device designation information of the video
25 information request, inputs second confirmation information which is the same as the first confirmation information, generating request confirmation

information on the basis of the second confirmation
information; and

transmission means for transmitting the request
confirmation information generated by said generation
5 means to said video server.

27. The terminal according to claim 26, further
comprising reception means for receiving the second
confirmation information when the user inputs the
second confirmation information.

10 28. A display device connected to a video server
which transmits, upon receiving a video information
display request containing video designation
information for designating video information to be
displayed, and display device designation information
15 for designating a display device which is to display
the video information, first confirmation information
generated based on the video information display
request to the display device designated by the display
device designation information of the video information
20 display request, and transmits, when second
confirmation information received later is the same as
the first confirmation information and a terminal which
transmitted the video information display request is
the same as a terminal which transmitted the second
25 confirmation information, video information designated
by the video designation information of the video
information display request to the display device

designated by the display device designation
information, comprising:

first display means for displaying the video
information; and

5 second display means for displaying the first
confirmation information.

29. The device according to claim 28, wherein said
first and second display means are constructed by
single display means.

10 30. The device according to claim 28, further
comprising single reception means for receiving the
video information and the first confirmation
information.

31. A designation confirmation method applied to a
15 video server which is connected to a plurality of first
terminals via a first transmission path, and to a
plurality of second terminals via a second transmission
path, comprising:

the display request reception step of receiving a
20 video information display request which is transmitted
from one of said plurality of first terminals, and
consists of video designation information for
designating video information to be displayed, and
display device designation information for designating
25 the second terminal which is to display the video
information;

the confirmation information transmission step of transmitting first confirmation information, which is generated based on the video information display request, to the second terminal designated by the display device designation information of the video information display request;

the request confirmation information reception step of receiving request confirmation information which is transmitted from one of said plurality of first terminals, and consists of second confirmation information;

the first comparison step of comparing identification information of the first terminal which transmitted the request confirmation information, and identification information of the first terminal which transmitted the video information display request;

the second comparison step of comparing the second confirmation information contained in the request confirmation information received in the request confirmation information reception step, and the first confirmation information transmitted in the confirmation information transmission step; and

the video information transmission step of transmitting video information designated by the video designation information of the video information display request to the second terminal designated by the display device designation information in

accordance with comparison results in the first and second comparison steps.

32. The method according to claim 31, wherein the request confirmation information is generated on the basis of second confirmation information which is the same as the first confirmation information and is input to the first terminal by a user of the first terminal, who can recognize the first confirmation information as a result of transmitting the first confirmation information to the second terminal designated by the display device designation information of the video information display request.

33. The method according to claim 31, wherein the first confirmation information is generated on the basis of a position where the second terminal designated by the display device designation information is located.

34. The method according to claim 31, wherein the first confirmation information is a reception identification code assigned to video information designated by the video designation information.

35. The method according to claim 31, wherein the reception identification code has a format of a video signal, and
a communication path via which the reception identification code is transmitted to the second terminal in the confirmation information transmission

step is the same as a communication path via which transmits the video information is transmitted to the second terminal in the video information transmission step.

5 36. The method according to claim 31, wherein the first confirmation information is a random number generated upon receiving the video information display request.

37. A computer readable storage medium that stores as
10 a program a designation confirmation method applied to a video server which is connected to a plurality of first terminals via a first transmission path, and to a plurality of second terminals via a second transmission path,

15 said designation confirmation method comprising:
the display request reception step of receiving a video information display request which is transmitted from one of said plurality of first terminals, and consists of video designation information for
20 designating video information to be displayed, and display device designation information for designating the second terminal which is to display the video information;

the confirmation information transmission step of
25 transmitting first confirmation information, which is generated based on the video information display request, to the second terminal designated by the

display device designation information of the video
information display request;

the request confirmation information reception
step of receiving request confirmation information
5 which is transmitted from one of said plurality of
first terminals, and consists of second confirmation
information;

the first comparison step of comparing
identification information of the first terminal which
10 transmitted the request confirmation information, and
identification information of the first terminal which
transmitted the video information display request;

the second comparison step of comparing the
second confirmation information contained in the
15 request confirmation information received in the
request confirmation information reception step, and
the first confirmation information transmitted in the
confirmation information transmission step; and

the video information transmission step of
20 transmitting video information designated by the video
designation information of the video information
display request to the second terminal designated by
the display device designation information in
accordance with comparison results in the first and
25 second comparison steps.